

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A system for managing ~~video-network devices~~video teleconferencing devices configured to exchange audio/video data, the system comprising:

a management adapter accessible to a user interface, the management adapter having a list that identifies the ~~video-network devices~~video teleconferencing devices configured to exchange audio/video data; and

a device access layer interfaced with the management adapter and the ~~video-network devices~~video teleconferencing devices, the device access layer representing the ~~video-network devices~~video teleconferencing devices as objects to support management of the ~~video-network devices~~video teleconferencing devices through the management adapter during set-up or conduct of an active video teleconference.

Claim 2 (Currently Amended): The system of Claim 1 wherein the device access layer represents the ~~video-network devices~~video teleconferencing devices as Management Beans.

Claim 3 (Currently Amended): The system of Claim 2 wherein each video teleconferencing ~~video-network~~ device communicates with the network through one of plural protocols, the Management Bean for a video teleconferencing ~~video-network~~ device communicating with the video teleconferencing ~~video-network~~ device in the protocol associated with the video teleconferencing ~~video-network~~ device.

Claim 4 (Original): The system of Claim 3 wherein the Management Beans communicate with the management adapter using a common protocol.

Claim 5 (Currently Amended): The system of Claim 1 wherein the ~~video-network devices~~video teleconferencing devices have plural video teleconferencing types, the device access layer representing each type of video teleconferencing ~~video-network~~ device as an object class.

Claim 6 (Currently Amended): The system of Claim 5 wherein a video teleconferencing ~~video-network~~ device belongs to plural video teleconferencing types, the device access layer representing the video teleconferencing ~~video-network~~ device as plural objects, each of the plural objects belonging to a class 5 corresponding to the plural video teleconferencing types.

Claim 7 (Currently Amended): The system of Claim 5 wherein a video teleconferencing ~~video-network~~ device type comprises an endpoint type.

Claim 8 (Currently Amended): The system of Claim 5 wherein a video teleconferencing ~~video-network~~ device type comprises an MCU type.

Claim 9 (Currently Amended): The system of Claim 5 wherein a video teleconferencing ~~video-network~~ device type comprises a gatekeeper type.

Claim 10 (Currently Amended): The system of Claim 5 wherein a video teleconferencing ~~video-network~~ device comprises a gateway type.

Claim 11 (Cancelled).

Claim 12 (Currently Amended): The system of Claim 1 wherein the device access layer comprises:

a Management Bean server having Management Bean objects that correspond to the ~~video network devices~~video teleconferencing devices, each Management Bean object encapsulating attributes that support access to a video network device.

Claim 13 (Currently Amended): The system of Claim 1 wherein the ~~video network devices~~video teleconferencing devices comprise:

one or more of plural device types, each device type having a common interface defined by a Management Bean class.

Claim 14 (Currently Amended): The system of Claim 13 further comprising:

first and second ~~video network devices~~video teleconferencing devices interfaced with the device access layer, the first and second ~~video network devices~~video teleconferencing devices having a common device type represented by a common Management Bean class, the first video network device communicating with a first Management Bean by a first format, the second video device communicating with a second Management Bean by a second format, the first and second Management Beans communicating with the management adapter by a common format.

Claim 15 (Currently Amended): A method for communicating with first and second ~~video network devices~~video teleconferencing devices configured to exchange audio/video data and having corresponding first and second communication formats, the method comprising:

interfacing with a management platform through a management interface format to identify the ~~video-network devices~~video teleconferencing devices;

associating the first ~~video-network~~video teleconferencing device with a first object and the second ~~video-network~~video teleconferencing device with a second object;

translating communication to the first ~~video-network~~video teleconferencing device with the first object from the interface format to the first communication format; and

translating communication to the second ~~video-network~~video teleconferencing device with the second object from the interface format to the second communication format; and

sending audio/video data from one of said first and second video teleconferencing devices to another of said first and second video teleconferencing devices.

Claim 16 (Original): The method of Claim 15 wherein the first and second objects comprise Management Beans.

Claim 17 (Original): The method of Claim 15 wherein the management interface format comprises SNMP.

Claim 18 (Currently Amended): The method of Claim 15 further comprising:
dividing the ~~video-network devices~~video teleconferencing devices into types of video teleconferencing devices; and

establishing an object class for each type of ~~network~~video teleconferencing device.

Claim 19 (Currently Amended): The method of Claim 18 wherein each type of video teleconferencing ~~network~~ device has a common interface for exchanging data between an

external interface and objects of the class associated with the type of ~~network~~video
teleconferencing device.

Claim 20 (Currently Amended): A method for interfacing an SNMP management application with ~~network~~plural video teleconferencing devices having disparate native interface protocols, the method comprising:

representing each video teleconferencing device as a Management Bean stored on a server;

providing an SNMP management instruction for a video teleconferencing device to an SNMP adapter;

communicating the SNMP management instruction using the SNMP adapter as a management bean client in communication with the server; and

communicating the SNMP management instruction from the server through the management bean representing the video teleconferencing device to the video teleconferencing device in ~~the~~ a native protocol of the device; and

sending audio/video data from one of said plural video teleconferencing devices to another of said plural video teleconferencing devices.

Claim 21 (Currently Amended): The method of Claim 20 further comprising:
associating the video teleconferencing device receiving the SNMP management instruction with an IP address; and

communicating a second SNMP management instruction to the video teleconferencing device with the IP address.

Claim 22 (Currently Amended): The method of Claim 20 further comprising:

listing the ~~network~~video teleconferencing devices in a MIB; and
associating the ~~network~~video teleconferencing devices with IP addresses with the
SNMP adapter.

Claim 23 (Currently Amended): The method of Claim 20 further comprising:
communicating between the management bean client and the server with standardized
attributes defined for each video teleconferencing device.

Claim 24 (Cancelled).

Claim 25 (Currently Amended): A system for interfacing plural ~~network~~video
teleconferencing devices with an application through an SNMP interface, the ~~network~~plural
video teleconferencing devices having disparate native protocols, the system comprising:
an adapter in communication with the application to accept SNMP instructions from
the application for a ~~network~~video teleconferencing device; and
an agent in communication with the adapter, the agent representing the ~~network~~
~~devices~~video teleconferencing device as ~~objects~~an object having attributes;
wherein the adapter and agent cooperate to convert the SNMP instructions to the
native protocol with the ~~network~~video teleconferencing device object attributes translated
into requests to the ~~network~~video teleconferencing device in ~~the~~a native protocol of the
~~network~~video teleconferencing device during set-up or conduct of an active video
teleconference.

Claim 26 (Cancelled).

Claim 27 (Currently Amended): A method for managing a video network having plural video teleconferencing video-devices, the method comprising:

representing each of said plural video teleconferencing video-devices as an object having attributes;

communicating management instructions to the objects of the plural video teleconferencing video-devices; and

translating object attributes of the communication instructions into device-specific instructions to manage one or more of the plural video teleconferencing video-devices; and

sending audio/video data from one of said plural video teleconferencing devices to another of said plural video teleconferencing devices.

Claim 28 (Currently Amended): The method of Claim 27 further comprising:

listing the attributes of an object that represents a video teleconferencing video device; and

selecting one or more attributes to create a MIB for the video teleconferencing video device.

Claim 29 (Currently Amended): The method of Claim 28 further comprising:

selecting one or more variables from one or more pre-existing MIBs associated with the video teleconferencing video-device for inclusion with the created MIB.

Claim 30 (Currently Amended): The method of Claim 28 wherein the created MIB cooperates with a management application for communicating management instructions to the object associated with the video teleconferencing video-device.

Claim 31 (Original): The method of Claim 30 wherein the communication instructions comprises SNMP management instructions.

Claim 32 (Original): The method of Claim 31 wherein the object comprises a management bean.

Claim 33 (Original): The method of Claim 28 wherein the created MIB consists of read-only variables.

Claim 34 (Original): The method of Claim 28 wherein the created MIB comprises variables for a restricted set of users.

Claim 35 (Original): The method of Claim 27 wherein the device specific instructions comprise non-SNMP instructions.

Claim 36 (Currently Amended): A system for managing a video network having plural ~~video network devices~~ video teleconferencing devices, the system comprising:

plural objects, each object having attributes to represent a video teleconferencing ~~video network~~ device;

one or more lists of the attributes;

one or more MIB having variables of the video teleconferencing ~~video network~~ device; and

a MIB summation engine operational to select one or more attributes and one or more variables to dynamically create a MIB for a ~~predetermined one of the video network~~

devicesvideo teleconferencing device during set-up or conduct of an active video
teleconference.

Claim 37 (Original): The system of Claim 36 wherein the created MIB comprises a structure associated with a predetermined and restricted set of users.

Claim 38 (Original): The system of Claim 37 wherein the structure comprises a tiered folder structure.

Claim 39 (Original): The system of Claim 36 wherein the created MIB comprises read only variables.

Claim 40 (Currently Amended): The system of Claim 36 further comprising:
a management application associated with the video network and operational to manage the video teleconferencing ~~video~~-devices.

Claim 41 (Original): The system of Claim 40 wherein the management application comprises an SNMP application.

Claim 42 (Currently Amended): The system of Claim 41 wherein the created MIB cooperates with the management application to manage the video teleconferencing ~~video~~ network device.

Claim 43 (Currently Amended): The system of Claim 42 wherein the object translates instructions from the management application to a protocol native to the network video teleconferencing video device.

Claim 44 (Original): The system of Claim 43 wherein the object comprises a management bean.

Claim 45 (Currently Amended): A method for managing disparate ~~video network devices~~ video teleconferencing devices with an SNMP application, the disparate ~~video network devices~~ video teleconferencing devices having disparate native protocols, the method comprising:

representing the ~~video network devices~~ disparate video teleconferencing devices as objects having attributes, ~~the objects~~ an object translating instructions from the SNMP application to a native protocol of a video teleconferencing ~~the video network device~~ associated with the object;

dynamically creating a MIB for the video teleconferencing ~~a video network device~~ from selected attributes of the object associated with the video network device; and

accessing the dynamically created MIB with the SNMP application to manage the video teleconferencing ~~associated video network device~~; and

sending audio/video data from one of the video teleconferencing devices to another video teleconferencing device.

Claim 46 (Currently Amended): The method of Claim 45 wherein dynamically creating further comprises:

dynamically creating the MIB from selected variables of pre-existing MIBs associated with the video teleconferencing ~~video~~-network device.

Claim 47 (Original): The method of Claim 45 further comprising:
creating a translator table to associate the attributes with the dynamically created MIB.

Claim 48 (Original): The method of Claim 45 wherein the SNMP application comprises HP Openview.

Claim 49 (Original): The method of Claim 45 wherein dynamically creating the MIB further comprises:

selecting attributes for inclusion in the MIB to customize the MIB for a specific user.